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N THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of:

GANTHER, JR., Kenneth

Serial No.: 10/789,787

Filed: 02/27/2004

SYSTEM HAVING UNMODULATED

FLUX LOCKED LOOP FOR

MEASURING MAGNETIC FIELDS

Docket No.: 34521

Confirmation No.: 9445

Group Art Unit No.: 2895

Customer No.: 23589

Examiner: LEDYNH, Bot

Commissioner of Patents

Mail Stop: Amendment

P.O. Box 1450

Alexandria, VA 22313-1450

TRANSMITTAL

Transmitted herewith are: Transmittal (1 page); Amendment (15 pages); and return postcard.

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Respectfully submitted,

HOVEY WILLIAMS LLP

Dated: September 13, 2005

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Commissioner for Patents Mailstop Amendment P.O. Box 1450 Alexandria, VA 22313-1450

AMENDMENT

In response to the Office Action dated June 15, 2005, Applicant respectfully requests amendment and reconsideration of the above-identified application.

Amendments to the Specification begin on page 2 of this paper.

Amendments to the Claims are reflected in the listing of claims, which begins on page 4 of this paper.

Remarks begin on page 12 of this paper.